

H A PE
28.8.17

Department of Physics

Jamshedpur Women's College

List of equipments required :-

Sl.No	Name of the instrument	Range	Number
1	Spectrometer		4
2	Searle's Apparatus for thermal conductivity		2
3	Kater's Pendulum		2
4	Viscosity Apparatus (Capillary flow method)		4
5	Travelling Microscope		6
7	Sodium vapour Lamp with transformer		2
8	Mercury Lamp		2
9	Plane diffraction grating		6
10	Polarimeter Set		2
11	Moving coil galvanometer (dead beat) with lamp and scale		4
12	B.G Galvanometer with lamp and scale		2
13	Physical balance box		2
14	Potentiometer		2
15	Meter Bridge		6
16	P.O.Box		4
17	Resistance Box	(0-10000 ohms)	4
18	Frequency Generator (Systronics 1012)	(.1 to 1 M Hz)	4
19	Bread Board		12
20	Voltage regulated power supply	0-12 volt	2
21	Brewster's apparatus		2
22	He-Ne Laser source	10mw	1
23	Frequency response (BJT) Trainer (C.E Mode)		2
24	Op Amp based inverting non-inverting voltage amplifier		2
25	C.R.O		2
26	BJT based voltage amplifier in C.E configuration		2
27	Ammeter	0-50mA, 0-50 Micro ammeter,	6
28	Standard Cd-Cell (Electronic)	1.018 volt	2
29	Prism for spectrometer		12
30	Earth Inductor	15000 watt	2
31	Photodetector		1
32	Brewster's/Malus law apparatus		2
34	Fly-wheel		2

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35	sextant		2
36	Maxwell's Needle		2
37	Digital multimeter with temperature probe		06
38	Thermometer	0° to 100° C (8) and 0° to 50° (2)	10
39	Kit to measure Planck's constant using black body radiation and photo detector		2
40	Photoelectric effect kit.		2

H1 Set of polarizer to be fitted onto the spectrometer ~~2 sets~~ 2 sets.

Nhandia
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last date for sending quotation - Monday, 04th September
12.00 noon
